

**Table 22. Employed doctoral scientists and engineers in universities and 4-year colleges, by broad field of doctorate, primary work activity, and secondary work activity: 1999**

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Field of doctorate/primary work activity	Total number	Secondary work activity						
		Total	R&D <sup>1</sup>	Teaching	Management, sales and administration	Computer applications	Other activity	No secondary activity
		[Percent]						
All fields.....	240,080	100.0	42.0	21.1	18.8	5.1	5.8	7.1
R&D.....	93,330	100.0	25.5	40.8	18.0	6.9	3.6	5.2
Teaching.....	105,230	100.0	63.3	N/A	14.3	4.8	7.9	9.7
Management, sales, and administration.....	24,670	100.0	22.0	30.3	35.7	2.4	8.3	1.3
Computer applications.....	3,590	100.0	53.8	15.9	21.2	N/A	3.1	5.9
Other activities.....	13,260	100.0	23.7	34.9	27.6	2.0	1.2	10.6
Science.....	213,840	100.0	40.9	21.2	19.3	5.0	6.2	7.4
R&D.....	83,730	100.0	24.6	40.7	18.5	6.9	3.9	5.5
Teaching.....	92,820	100.0	62.0	N/A	14.7	4.6	8.6	10.1
Management, sales, and administration.....	21,650	100.0	21.9	29.3	36.6	2.3	8.5	1.3
Computer applications.....	3,050	100.0	51.6	17.8	21.1	N/A	3.6	5.8
Other activities.....	12,590	100.0	23.5	34.2	28.3	2.1	1.1	10.8
Computer and information sciences .....	3,650	100.0	48.0	23.1	14.5	11.5	1.6	S
R&D.....	1,080	100.0	18.6	64.3	7.8	9.3	S	S
Teaching.....	2,060	100.0	68.1	N/A	11.3	15.6	2.8	S
Management, sales, and administration.....	280	100.0	S	34.7	55.2	S	S	S
Computer applications.....	200	100.0	60.5	S	29.0	N/A	S	S
Other activities.....	S	S	S	S	S	S	S	S
Mathematical sciences .....	14,820	100.0	48.6	18.5	14.3	7.7	3.4	7.5
R&D.....	2,940	100.0	10.4	73.0	4.8	9.2	S	1.7
Teaching.....	10,140	100.0	64.4	N/A	13.1	8.1	4.2	10.1
Management, sales, and administration.....	1,220	100.0	16.3	31.0	45.1	S	S	S
Computer applications.....	310	100.0	34.3	43.1	S	N/A	S	S
Other activities.....	210	100.0	28.4	39.8	S	S	S	S
Biological and agricultural sciences .....	71,100	100.0	37.9	23.2	21.3	4.3	5.4	7.9
R&D.....	40,430	100.0	29.5	31.5	22.5	5.7	3.7	7.0
Teaching.....	18,870	100.0	60.9	N/A	15.5	3.3	9.2	11.1
Management, sales, and administration.....	6,030	100.0	29.7	26.3	32.6	2.0	8.5	1.0
Computer applications.....	770	100.0	49.2	10.1	30.5	N/A	S	7.2
Other activities.....	5,000	100.0	26.5	41.8	18.2	S	S	11.7

See explanatory information and SOURCE at end of table.

**Table 22. Employed doctoral scientists and engineers in universities and 4-year colleges, by broad field of doctorate, primary work activity, and secondary work activity: 1999**

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Field of doctorate/primary work activity	Total number	Secondary work activity						
		Total	R&D <sup>1</sup>	Teaching	Management, sales and administration	Computer applications	Other activity	No secondary activity
		[Percent]						
Health sciences.....	10,760	100.0	33.2	21.8	24.2	2.7	14.0	4.1
R&D.....	3,620	100.0	20.6	43.2	21.1	3.6	9.2	2.3
Teaching.....	4,770	100.0	49.8	N/A	21.5	2.2	20.3	6.1
Management, sales, and administration.....	1,540	100.0	13.9	32.8	37.8	3.2	10.7	S
Computer applications.....	S	S	S	S	S	N/A	S	S
Other activities.....	800	100.0	29.7	33.3	29.3	S	S	S
Physical and related sciences.....	37,570	100.0	42.9	19.7	18.0	8.3	3.4	7.7
R&D.....	15,360	100.0	27.0	38.8	15.7	12.2	1.4	4.9
Teaching.....	16,450	100.0	60.0	N/A	17.0	6.4	5.0	11.6
Management, sales, and administration.....	3,520	100.0	28.1	27.6	33.0	4.3	6.0	S
Computer applications.....	1,270	100.0	60.1	14.6	16.8	N/A	S	5.7
Other activities.....	980	100.0	37.0	29.5	17.0	S	S	12.1
Social sciences.....	46,870	100.0	46.2	20.2	15.9	3.9	6.3	7.5
R&D.....	11,510	100.0	14.2	62.4	10.9	5.9	2.1	4.6
Teaching.....	27,920	100.0	66.4	N/A	11.8	3.5	8.4	9.9
Management, sales, and administration.....	6,050	100.0	17.5	31.1	41.8	1.4	6.3	1.8
Computer applications.....	310	100.0	42.4	39.7	S	N/A	S	S
Other activities.....	1,080	100.0	26.3	26.8	30.6	8.0	S	8.4
Psychology.....	29,070	100.0	35.2	20.5	23.0	3.1	11.0	7.2
R&D.....	8,780	100.0	18.2	42.9	19.8	4.5	10.8	3.7
Teaching.....	12,610	100.0	58.6	N/A	15.9	2.9	13.1	9.4
Management, sales, and administration.....	3,000	100.0	15.5	31.0	32.7	2.3	17.8	S
Computer applications.....	170	100.0	44.1	S	41.7	N/A	S	S
Other activities.....	4,500	100.0	15.4	28.2	41.7	1.4	1.5	11.8
Engineering.....	26,240	100.0	51.3	20.9	14.7	5.9	2.7	4.6
R&D.....	9,590	100.0	33.7	41.7	13.4	7.3	1.6	2.2
Teaching.....	12,410	100.0	72.5	N/A	11.8	6.0	2.7	7.1
Management, sales, and administration.....	3,020	100.0	22.6	37.4	29.1	3.0	6.8	S
Computer applications.....	540	100.0	66.1	S	21.8	N/A	S	S
Other activities.....	670	100.0	27.6	47.7	15.4	S	S	S

<sup>1</sup> R&D includes basic or applied research, development and design.

**KEY:** S = Suppressed due to too few cases (fewer than 50 weighted cases).

N/A = Same work activity cannot be reported as both primary and secondary activity except for 'R&D', 'Management', and 'Other activity' because these categories include more than one type of work activity.

**NOTES:** Numbers are rounded to nearest ten. Details may not add to total because of rounding.

**SOURCE:** National Science Foundation/Division of Science Resources Statistics, 1999 Survey of Doctorate Recipients